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The following <u>Listing of the Claims</u> will replace all prior versions and all prior listings of the claims in the present application:

## Listing of The Claims:

1. (Currently amended) A method of modulating an immune response in an animal comprising the step of administering to said animal a composition comprising

a virus or a cell, and further comprising a multifunctional molecule, said multifunctional molecule comprising

a first amino acid sequence which comprises a cell—surface binding moiety

and

a second amino acid sequence comprising a ligand for a cell surface polypeptide of a leukocyte,

wherein said composition <u>includes</u> <del>comprises</del> said multifunctional molecule bound to said virus or said cell and further <u>includes</u> <del>comprises</del> some of said multifunctional molecule which is not bound to said virus or said cell.

- 2. (Original) The method of claim 1, wherein said animal is a mammal.
- 3. (Original) The method of claim 2, wherein said mammal is a human.
- 4. (Original) The method of claim 1, wherein said multifunctional molecule is a fusion polypeptide.
- 5. (Original) The method of claim 4, wherein said first amino acid sequence is N-terminal to said second amino acid sequence.
- 6. (Original) The method of claim 4, wherein said first amino acid sequence is C-terminal to said second amino acid sequence.

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7. (Original) The method of claim 1, wherein said ligand of said second amino acid sequence is chosen from the group: a ligand for a cytokine receptor, a ligand for CD40, a ligand for an adhesion molecule, a ligand for a defensin receptor, a ligand for a heat shock protein receptor, a ligand for a T cell costimulatory molecule, a ligand for a counterreceptor for a T cell costimulatory molecule, a ligand for an opsonin receptor.

- 8. (Currently amended) The method of claim 1, wherein said ligand comprises at least about five contiguous amino acids of a naturally occurring cytokine, said cytokine being chosen from the group: GM-CSF, an interleukin, a chemokine, an interferon, a TNF-alpha, a flt-3 ligand.
- 9. (Withdrawn) The method of claim 7, wherein said ligand comprises at least about five contiguous amino acids of a naturally occurring CD154 molecule.
- 10. (Original) The method of claim 1, wherein said comprised cell is chosen from the group: a tumor cell, a bacterial cell, a fungal cell, a cell of a parasite, a mammalian cell, an insect cell.
  - 11. (Original) The method of claim 1, wherein said cell or said virus is pathogenic.
- 12. (Currently amended) The method of claim 14, wherein said cell or said virus is attenuated.
- 13. (Original) The method of claim 1, wherein said cell is substantially unable to divide.
- 14. (Original) The method of claim 1, wherein said leukocyte is an antigen presenting cell.
- 15. (Original) The method of claim 14, wherein said leukocyte is a professional antigen presenting cell.
  - 16. (Original) The method of claims 14, wherein said leukocyte is a dendritic cell.